

METHOD AND APPARATUS FOR CONVECTIVE COOLING
OF SIDE-WALLS OF TURBINE NOZZLE SEGMENTS

ABSTRACT OF THE DISCLOSURE

[0027] A turbine nozzle includes, in an exemplary embodiment, an outer band portion, an inner band portion at least one nozzle vane extending between the inner band portion and the outer band portion, and at least one cooling channel extending axially at least partially through at least one of the outer band portion and the inner band portion. The at least one nozzle vane, the inner band portion, and the outer band portion define a flowpath for flowing hot gases of combustion. Each cooling channel includes at least one inlet with each inlet isolated from the flowing hot gases of combustion.